

ABSTRACT

Disclosed are polymers which include tertiary aryl amine moieties that can function as hole transport agents and which also have reactive silane groups thereon capable of being condensed to a silsesquioxane composition, as well as the silsesquioxane compositions prepared therefrom. The silsesquioxanes can be coated onto substrates to form abrasion-resistant layers having hole transport properties useful in devices that require charge transport properties, such as light-emitting diodes and organic electrophotographic elements such as photoreceptors or photoconductors. Also disclosed are electrophotographic elements which comprise an electrically conducting layer, a charge generating layer overlying the electrically conducting layer, and a charge transport layer overlying the electrically conducting layer. The charge transport layer, which can be an overcoat overlying the charge generating layer, comprises the condensed reaction product of the disclosed polymers.